
Archives of Virology

Edited by

D. R. Lowy, Bethesda

F. A. Murphy, Atlanta (Editor-in-Chief)

E. Norrby, Stockholm

C. Scholtissek, Giessen

A. Sugiura, Tokyo

D. A. J. Tyrrell, Salisbury

Vol. 86, 1985

ISSN 0304-8608

Springer-Verlag
Wien New York



Archives of Virology

Advisory Board

- | | |
|---------------------------------|---|
| J. W. Almond, Leicester | V. ter Meulen, Würzburg |
| Y. Becker, Jerusalem | C. A. Mims, London |
| R. W. Bingham, Edinburgh | L. Montagnier, Paris |
| D. H. L. Bishop, Oxford | R. Mori, Fukuoka |
| C. M. Chu, Beijing | P. Palese, New York, N. Y. |
| E. De Clercq, Leuven | S. Patterson, Harrow |
| F. Deinhardt, München | U. Pettersson, Uppsala |
| F. Dianzani, Roma | W. Plowright, Goring-On-Thames,
Berks. |
| H. J. Eggers, Köln | C. R. Pringle, Coventry |
| B. N. Fields, Boston, Mass. | W. E. Rawls, Hamilton |
| B. Fleckenstein, Erlangen | M. H. V. van Regenmortel,
Strasbourg |
| Y. Ghendon, Moscow | D. J. Rowlands, Woking |
| O. Haller, Zürich | G. Siegl, Bern |
| P. Halonen, Turku | D. I. H. Simpson, Salisbury, Wilts. |
| H. zur Hausen, Freiburg i. Br. | J. Svoboda, Praha |
| I. H. Holmes, Parkville, Vic. | P. E. Tambourin, Bethesda, Md. |
| P. M. Howley, Bethesda, Md. | S. Urasawa, Sapporo |
| W. K. Joklik, Durham, N. C. | J. Vilček, New York, N. Y. |
| D. W. Kingsbury, Memphis, Tenn. | Y. Watanabe, Bohseidai |
| H.-D. Klenk, Giessen | E. Wimmer, Stony Brook, N. Y. |
| Ch. Kunz, Wien | H. A. Wood, Ithaca, N. Y. |
| H. L. Lipton, Chicago, Ill. | J. Závada, Bratislava |
| D. J. McGeoch, Glasgow | |
| B. W. J. Mahy, Cambridge | |

Editorial Assistant: W. Tuma, Wien

The exclusive copyright for all languages and countries, including the right for photo-mechanical and any other reproductions including microform is transferred to the publisher.

© 1985 by Springer-Verlag / Wien

Contents: Vol. 86

No. 1-2

Original Papers

- Örvell, C., Kristensson, K.:** The Effects of Monoclonal Antibodies Against the Hemagglutinin-Neuraminidase and Fusion Protein on the Release of Sendai Virus from Infected Cells 1
- Martin, Mary Lane, Lindsey-Regnery, Helen, Sasso, Donna R., McCormick, J. B., Palmer, E.:** Distinction Between Bunyaviridae Genera by Surface Structure and Comparison with Hantaan Virus Using Negative Stain Electron Microscopy 17
- Terry, G. M., Ho-Terry, L., Cohen, A., Londesborough, P.:** Rubella Virus RNA: Effect of High Multiplicity Passage 29
- Iversen, O. J., Rødaahl, E.:** The Major Internal Protein, p27, of a Retrovirus-like Particle Participates in Immune Complex Formation in Psoriasis 37
- Friedlander, J. M., Summers, B. A., Appel, M. J. G.:** Persistence of Virulent Canine Distemper Virus in Lymphoblastoid Cell Lines 47
- Kit, S., Qavi, H., Gaines, J. D., Billingsley, Peggy, McConnell, S.:** Thymidine Kinase-negative Bovine Herpesvirus Type 1 Mutant Is Stable and Highly Attenuated in Calves 63
- Lukashevich, I. S., Lemeshko, N. N.:** Machupo Virus Polypeptides: Identification by Immunoprecipitation 85
- Lapps, W., Brian, D. A.:** Oligonucleotide Fingerprints of Antigenically Related Bovine Coronavirus and Human Coronavirus OC43 101
- Nakamura, T., Yanagihara, R., Gibbs, C. J., Jr., Amyx, H. L., Gadusek, D. C.:** Differential Susceptibility and Resistance of Immunocompetent and Immunodeficient Mice to Fatal Hantaan Virus Infection 109

Brief Reports

- Olofsson, S., Lundström, Marita, Jeansson, S., Lycke, E.:** Different Populations of Herpes Simplex Virus Glycoprotein C Discriminated by the Carbohydrate-binding Characteristics of N-acetylgalactosamine Specific Lectins (Soybean and Helix Pomatia) 121
- Okuno, Y., Fukunaga, T., Tadano, M., Okamoto, Y., Ohnishi, T., Takagi, M.:** Rapid Focus Reduction Neutralization Test of Japanese Encephalitis Virus in Microtiter System 129
- Hashimoto, I., Hagiwara, A., Uchino, I.:** Ultrastructural Changes of Motoneurons in Monkeys Infected with Enterovirus 71 137
- Kamiya, S., Tanaka, J., Ogura, T., Sato, H., Ogura, H., Yoshie, T., Hatanano, M.:** Abortive Infection with Human Cytomegalovirus Induces an Alteration of Growth Pattern: Morphological Changes with Cytocidal Effect in Rabbit Kidney Epithelial Cells 143

No. 3—4

Original Papers

- Inada, T., Mims, C. A.:** Pattern of Infection and Selective Loss of Ia Positive Cells in Suckling and Adult Mice Inoculated with Lactic Dehydrogenase Virus 151
- Todd, D., McFerran, J. B.:** Restriction Endonuclease Analysis of Aujeszky's Disease (Pseudorabies) Virus DNA: Comparison of Northern Ireland Isolates and Isolates from Other Countries 167
- Denner, J., Wunderlich, V., Sydow, G.:** Suppression of Human Lymphocyte Mitogen Response by Retroviruses of Type D. I. Action of Highly Purified Intact and Disrupted Virus 177
- Denner, J., Indzhia, L., Wunderlich, V., Sydow, G., Bierwolf, D., Lapin, B. A.:** Suppression of Human Lymphocyte Mitogen Response by Retroviruses of Type D. II. Non-Activity of Mason-Pfizer Monkey Virus Versus Activity of Human Cell Line Derived Virus PMFV 187
- Nerome, K., Yoshioka, Y., Sakamoto, S., Yasuhara, H., Oya, A.:** Characterization of a 1980-Swine Recombinant Influenza Virus Possessing H1 Hemagglutinin and N2 Neuraminidase Similar to that of the Earliest Hong Kong (H3N2) Virus 197
- Jordan, G. W., Bolton, Veronica, Schmidt, Nathalie J.:** Diabetogenic Potential of Coxsackie B Viruses in Nature 213
- Dienes, H. P., Knoblich, A., Falke, D.:** Loss of Surface Fibronectin After Infection of Cultured Cells by HSV-1 and 2 223
- Osterhaus, A. D. M. E., Yang, H., Spijkers, H. E. M., Groen, J., Teppema, J. S., van Steenis, G.:** The Isolation and Partial Characterization of a Highly Pathogenic Herpesvirus from the Harbor Seal (*Phoca vitulina*) 239
- Klimov, A. I., Ghendon, Y. Z.:** Analysis of the Genome of Influenza A Virus Strains (H3N2) Isolated During the Epidemic Season of 1982—1983 253
- Ellis, T. M., Wilcox, G. E., Robinson, W. F.:** Characteristics of Cell Fusion Induced by a Caprine Retrovirus 263
- Candurra, Nelida A., Damonte, Elsa B.:** Influence of Cellular Functions on the Evolution of Persistent Infections with Junin Virus 275
- Heider, H., Markushin, S., Schroeder, C., Ghendon, Y.:** The Influence of Norakin® on the Reproduction of Influenza A and B Viruses 283
- Polacino, Patricia, Kaplan, G., Palma, E. L.:** Homologous Interference by a Foot-and-Mouth Disease Virus Strain Attenuated for Cattle 291
- Arikawa, J., Takashima, I., Hashimoto, N.:** Cell Fusion by Haemorrhagic Fever with Renal Syndrome (HFRS) Viruses and Its Application for Titration of Virus Infectivity and Neutralizing Antibody 303
- Barray, Sylvie, Devauchelle, G.:** Protein Synthesis in Cells Infected by Chilo Iridescent Virus (Iridovirus, Type 6) 315

Brief Reports

- Asai, S., Bayliss, G. J., Wolf, H., Namikawa, I., Ito, Y.:** Ultrastructural Studies on Cell Fusion Induced by Epstein-Barr Virus or N-Butyrate and 12-0-Tetradecanoylphorbol-13-Acetate 327
- Wilks, C. R., House, J. A.:** The Glycoproteins of Seven Vesiculoviruses Are Antigenically Distinct 335
- Iversen, O.-J., Rodahl, E., Dalen, A. B.:** Rabbit Antibodies Against the Major Internal Protein of a Retrovirus-like Particle Bind to Epidermal Cells in Psoriatic Skin 341
- Klingeborn, B., Englund, L., Rott, R., Juntti, N., Rockborn, G.:** An Avian Influenza A Virus Killing a Mammalian Species—the Mink 347

Abstracted/Indexed in:
Current Contents, SCI, ASCA, and
ISI/BIOMED, Biosis, Chemical Abstracts